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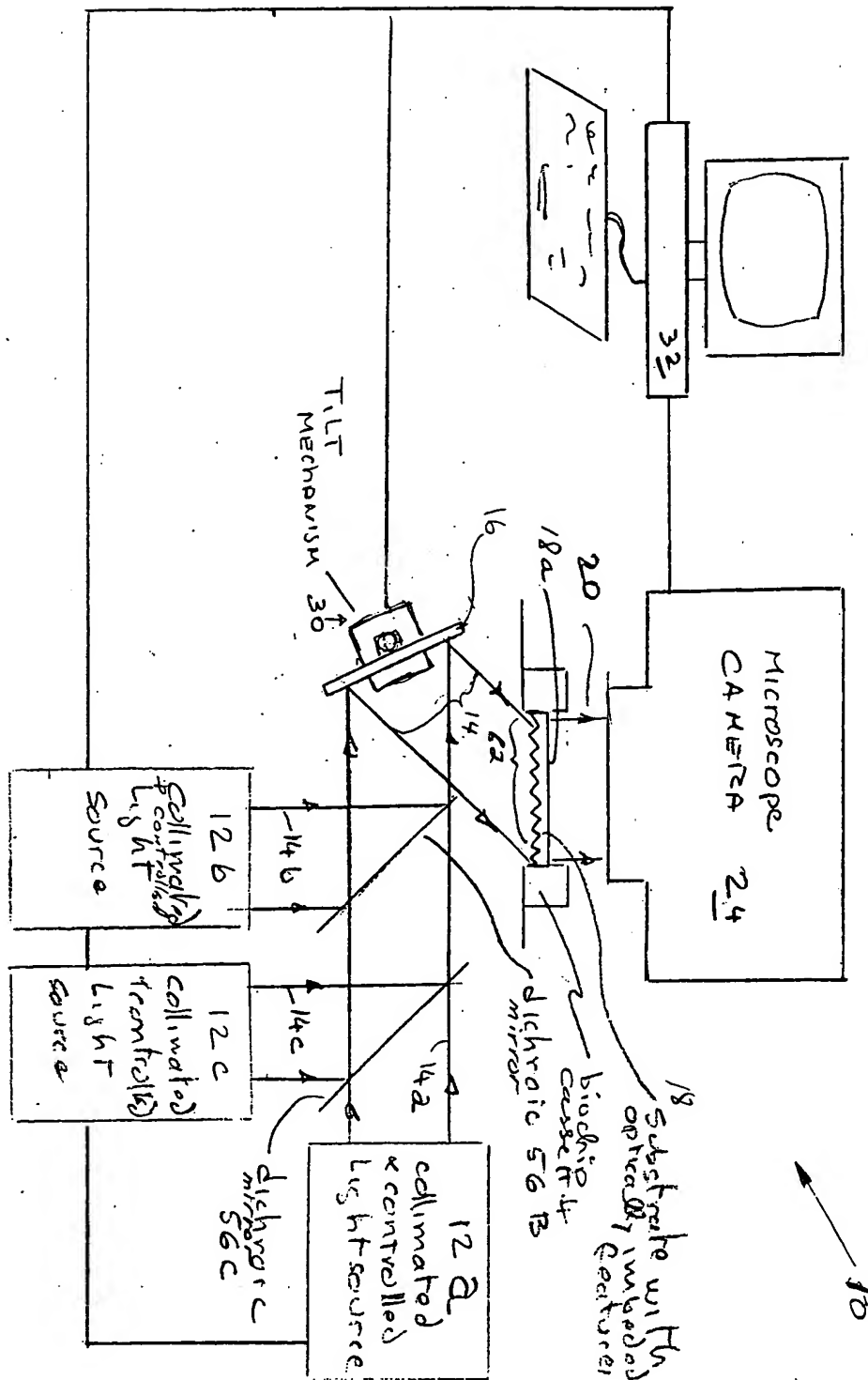
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ROPER SCIENTIFIC (PHOTOMETRICS) COOLSNAPPX
MONOCHROME, COOLED CCD CAMFRA, 1300 X 1030 PIXELS
IN 8.7 X 6.9 MM AREA,

16 MM FOCAL LENGTH, F 1.4 C MOUNT LENS.
EDMUND SCIENTIFIC C39-085, , , ,
IMPLIED CLEAR APERTURE = 11.428 MM DIAMETER

THREE SCHOTT OG570 FILTERS, 3.1 MM THICK,
25.0 MM DIAMETER. TWO A/R COATED ON
ONE SIDE. THE THIRD NOT A/R COATED.
CEMENTED TOGETHER WITH LENS BOND.
A/R COATED. MELLES GRIOT 03FCG489/078.
UNCOATED. MELLES GRIOT 03FCG489, , , ,
NOTE: TO HAVE ONLY ONE SIDE COATED ONE MUST REFERENCE A
QUOTATION NUMBER WHICH I AM IN THE PROCESS OF GETTING.

50 MM FOCAL LENGTH ACHROMATIC DOUBLET,
FOR IMAGING OF AREA THAT IS (50/16) TIMES
THE CCD AREA = 21.56 BY 27.22 MM.
MELLES GRIOT 01LMO039/078. , , , ,

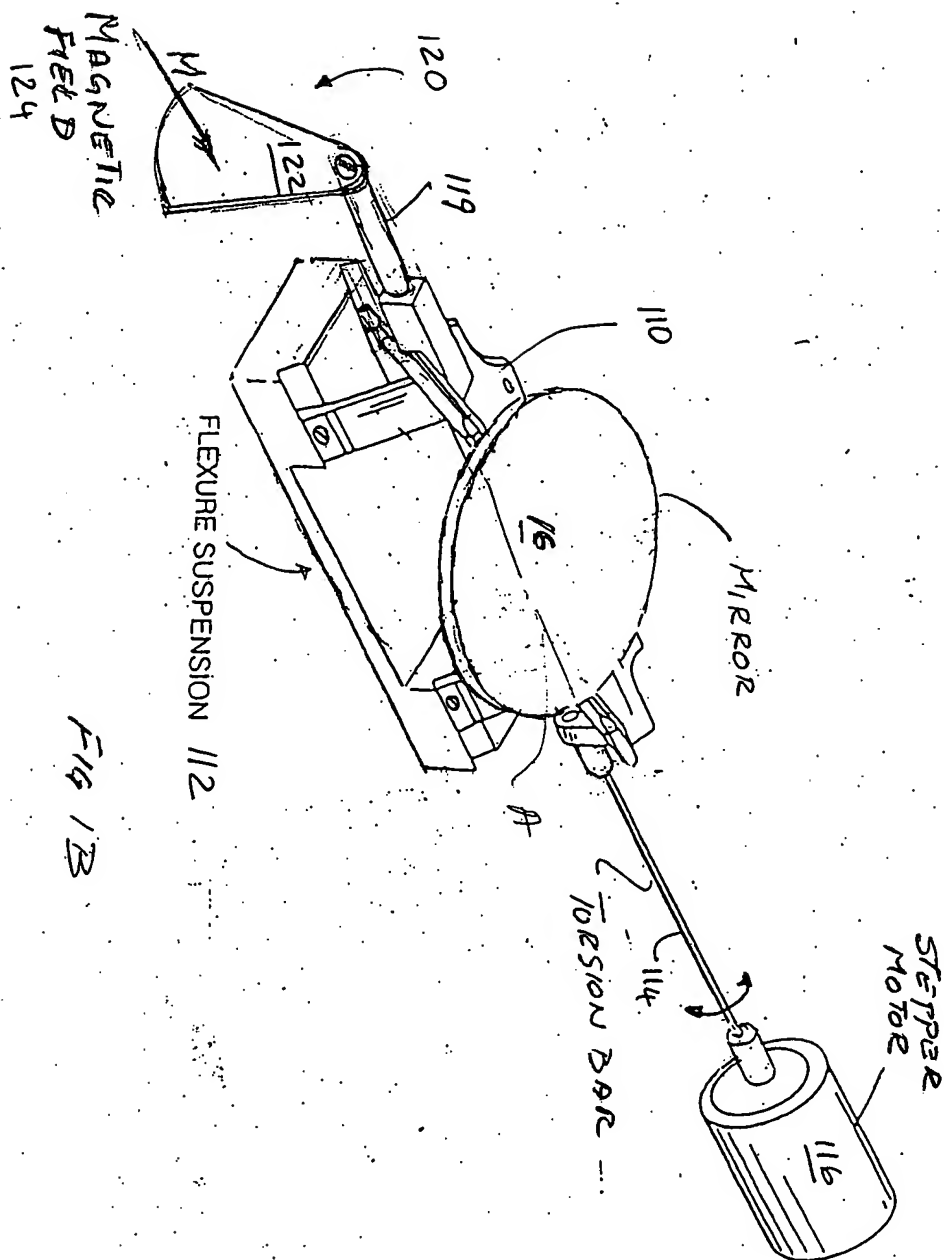


Fig. 1B

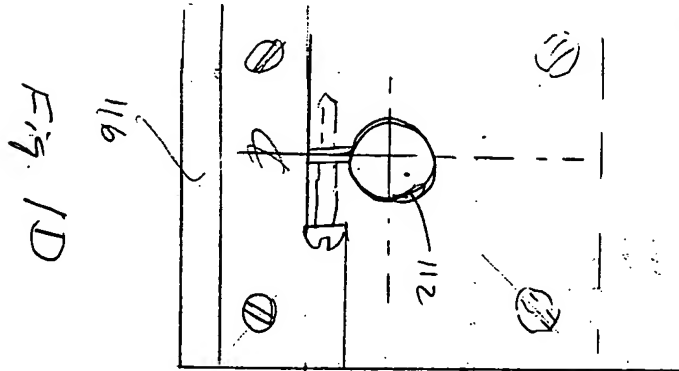


Fig. 1D

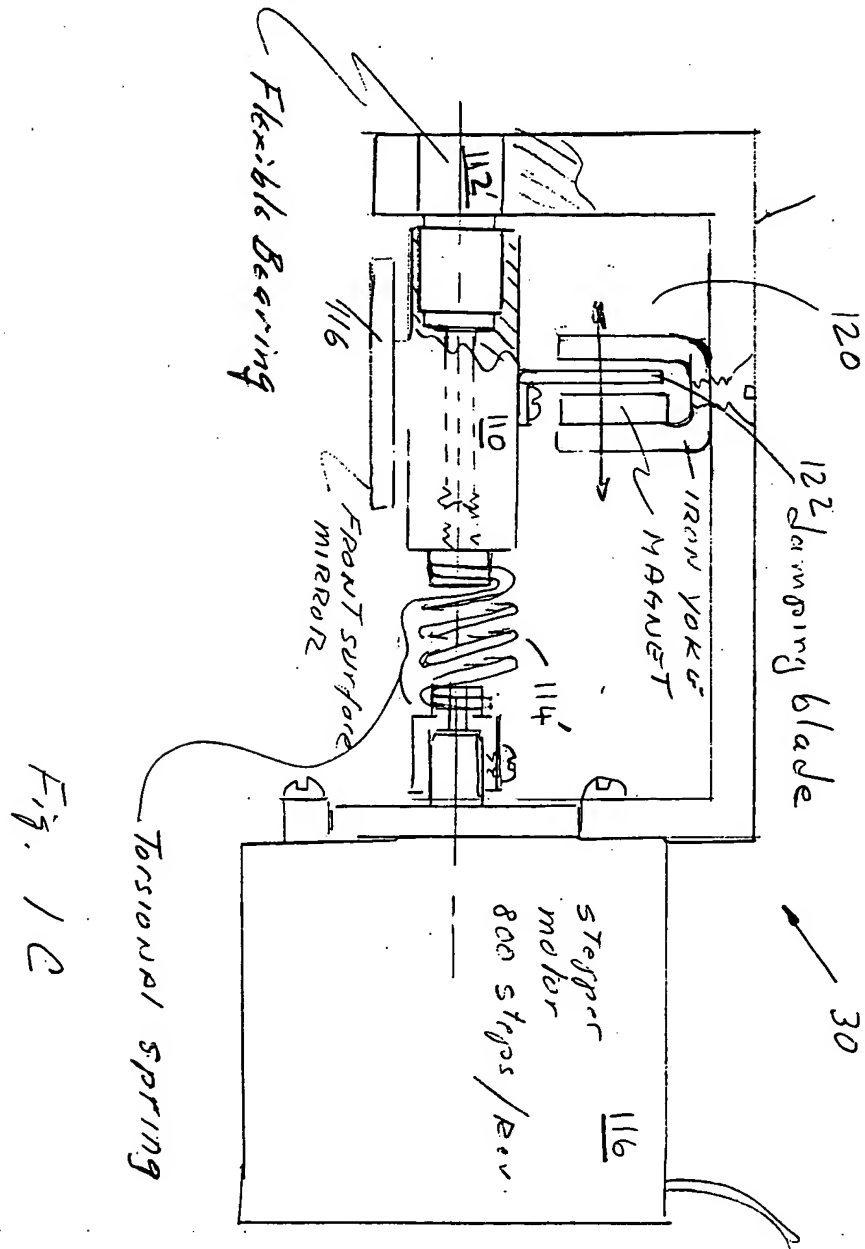


Fig. 1C

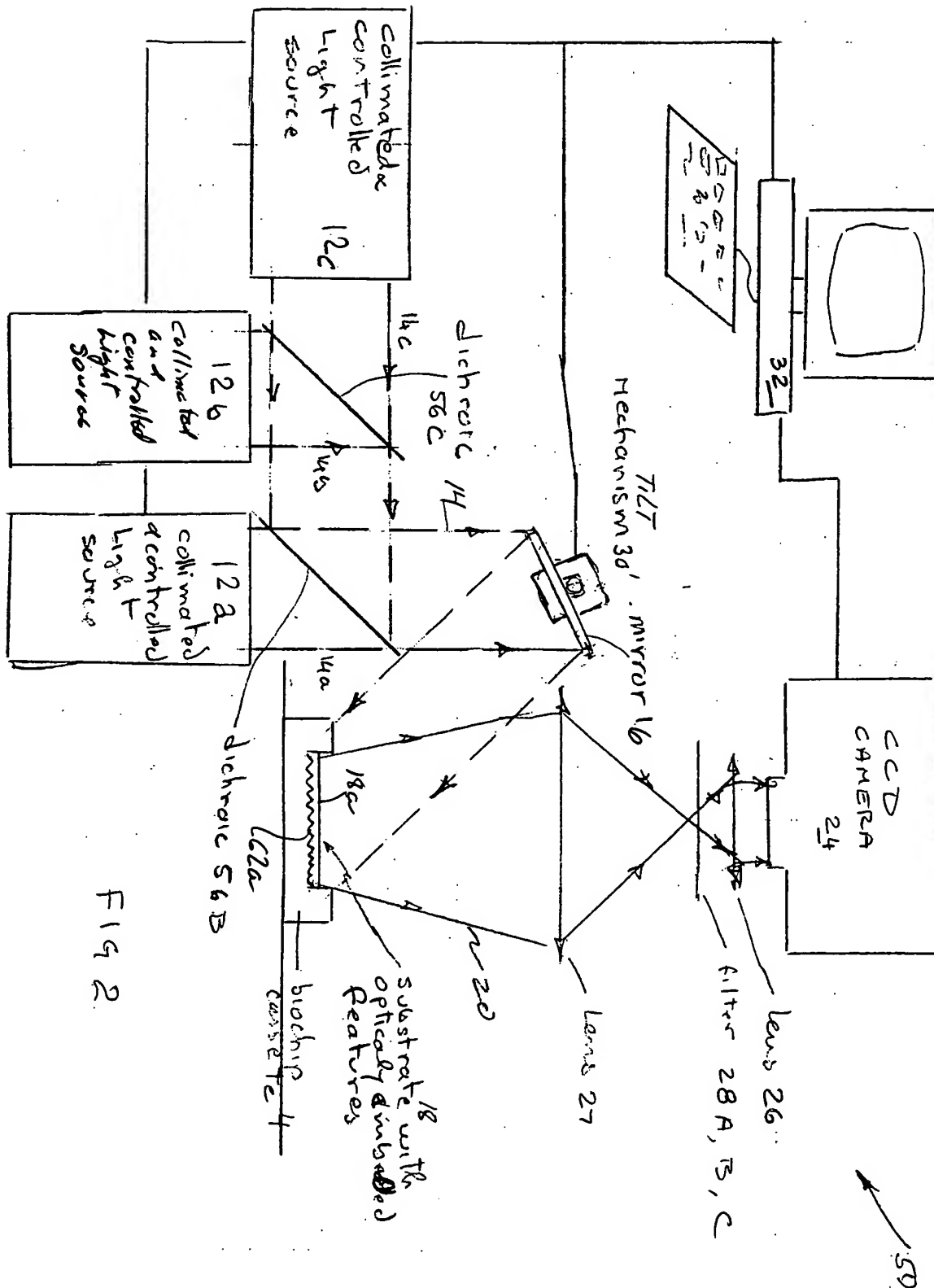


FIG 2

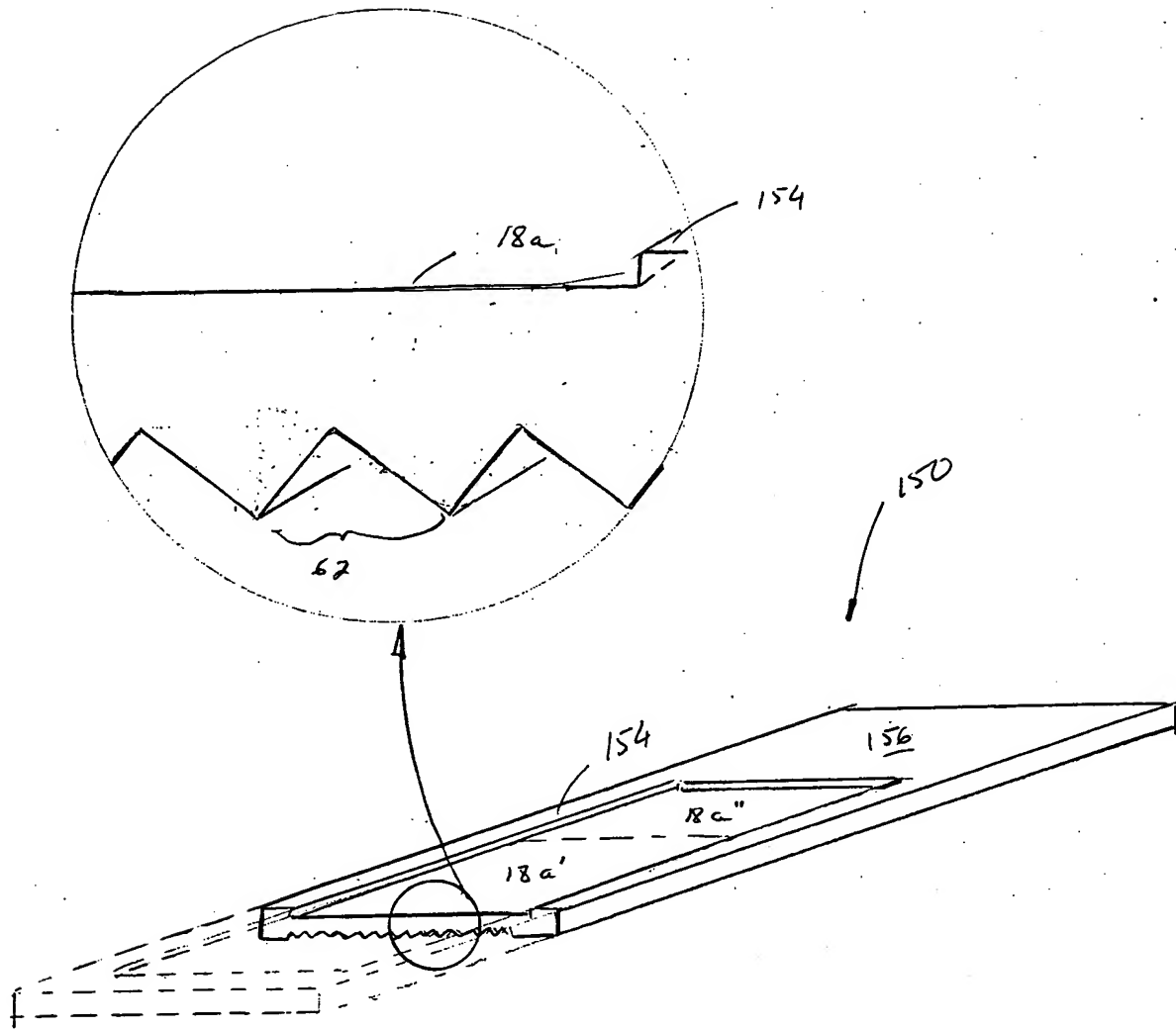
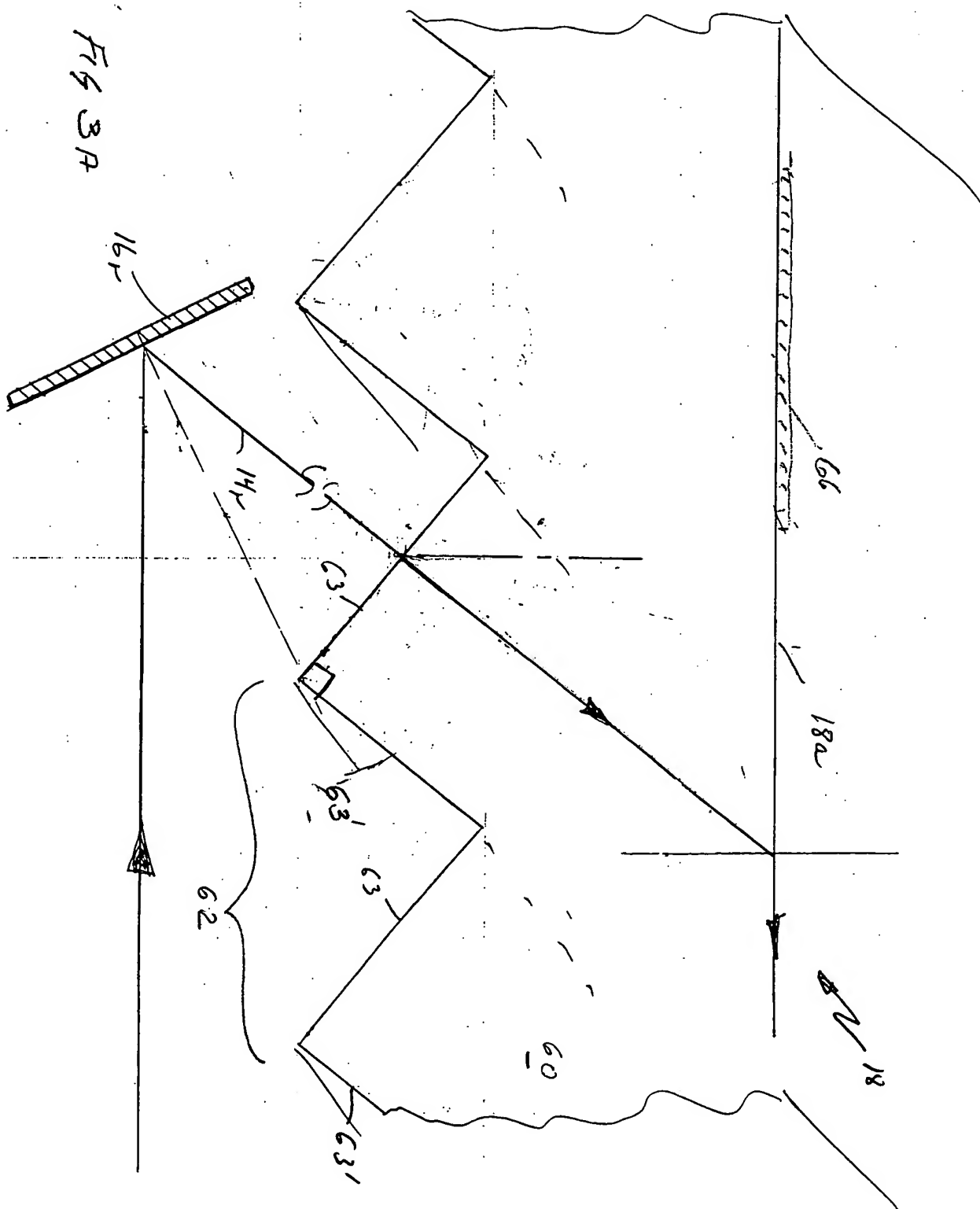


FIG 3



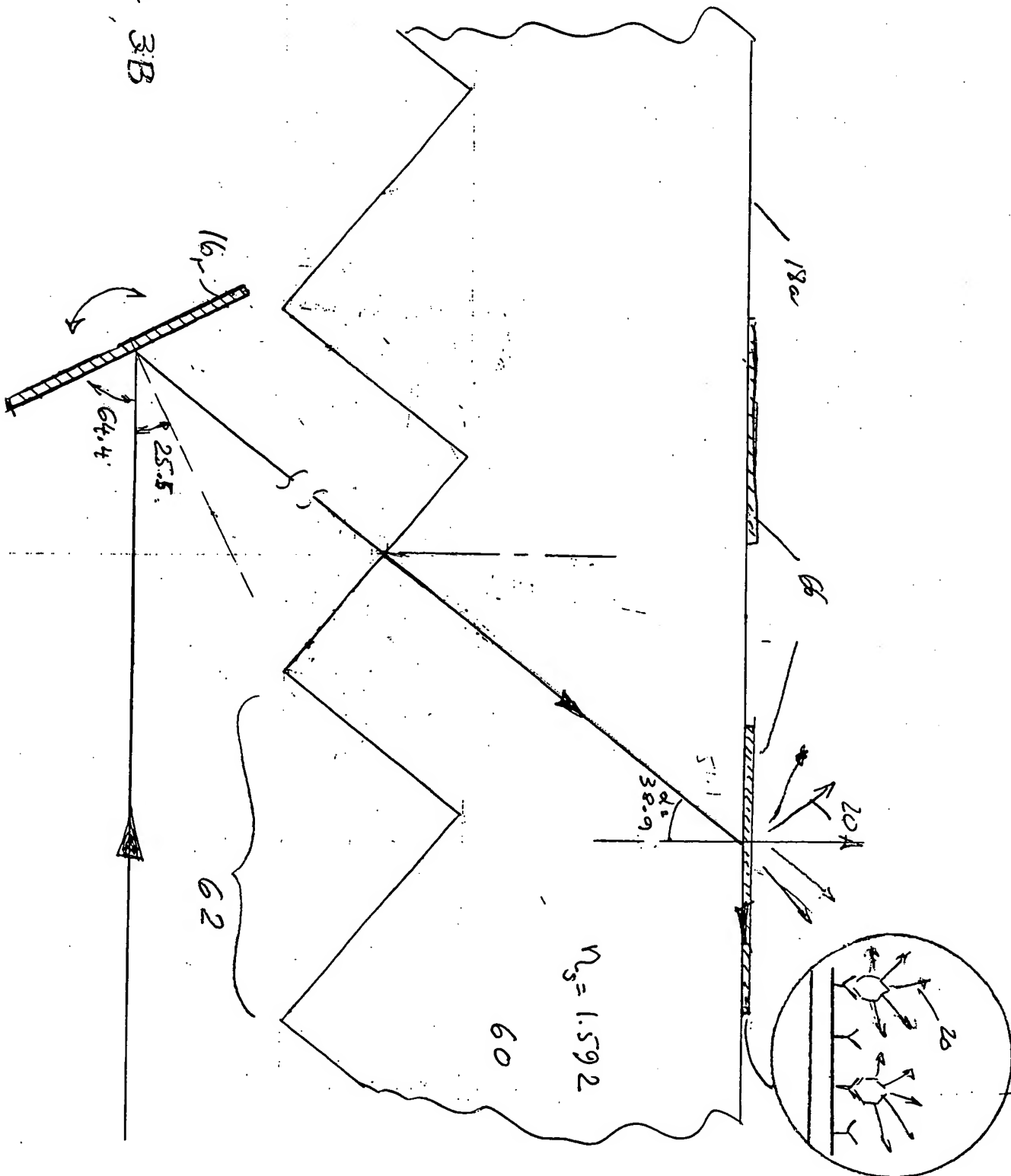
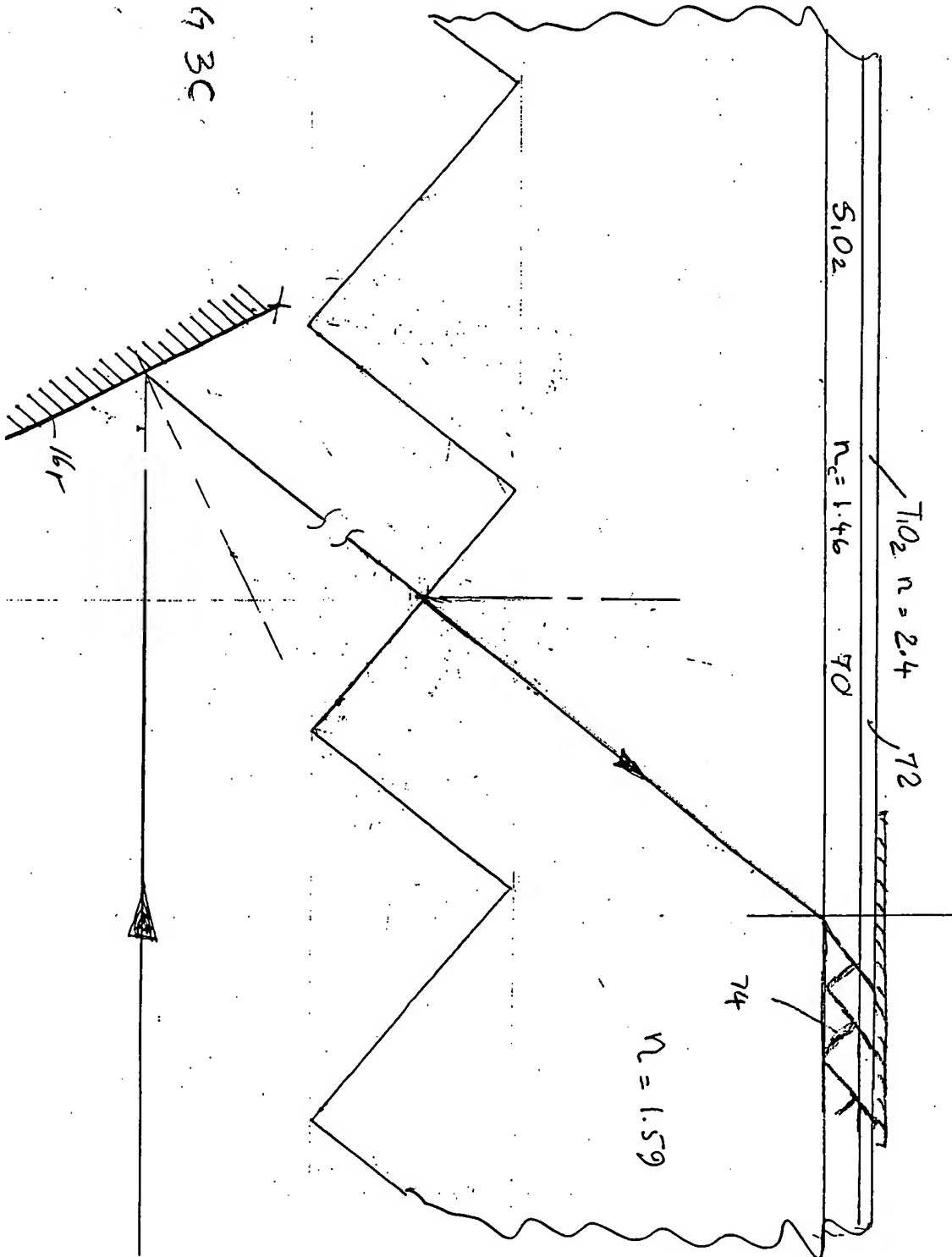


FIG 3C



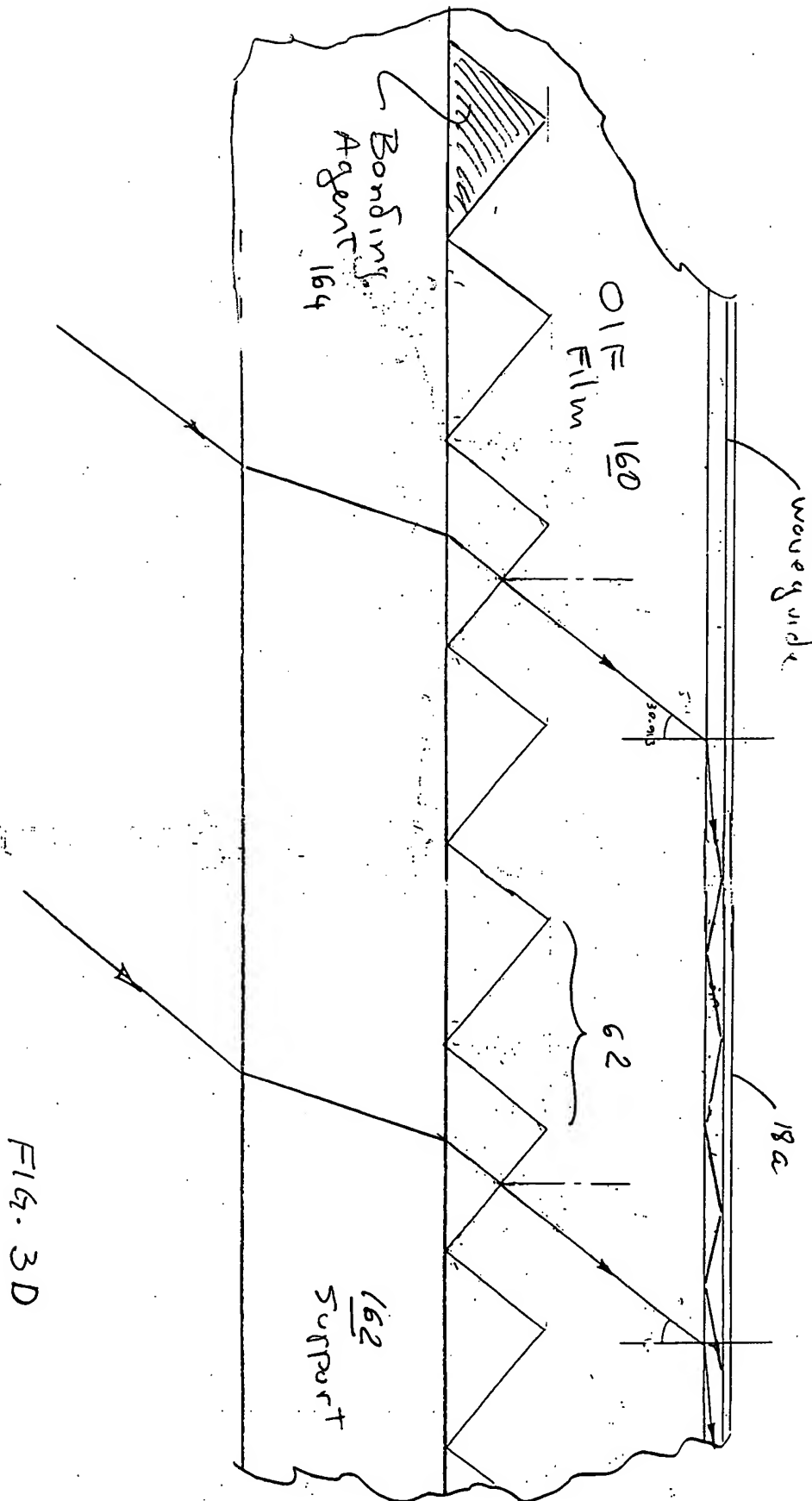
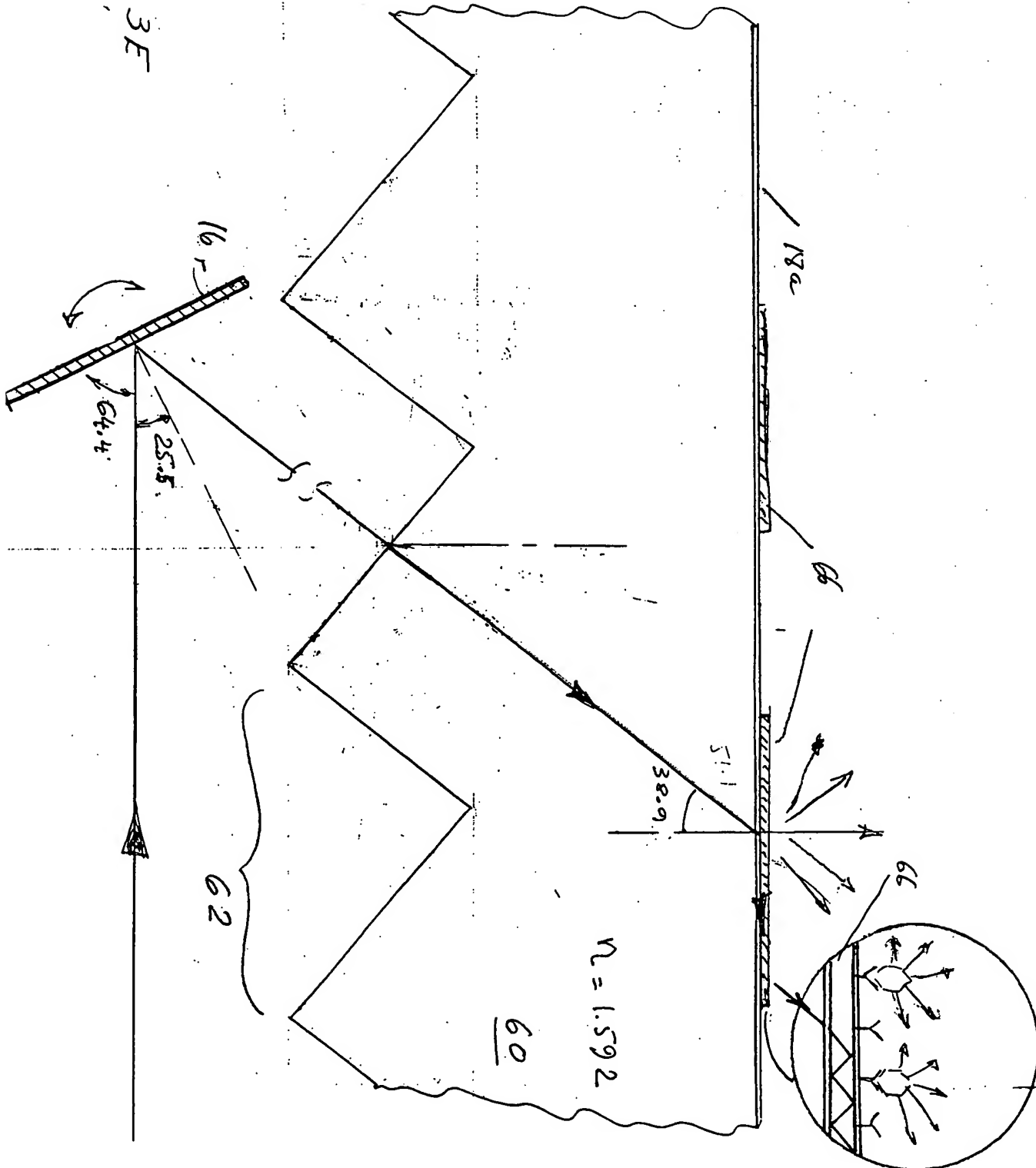
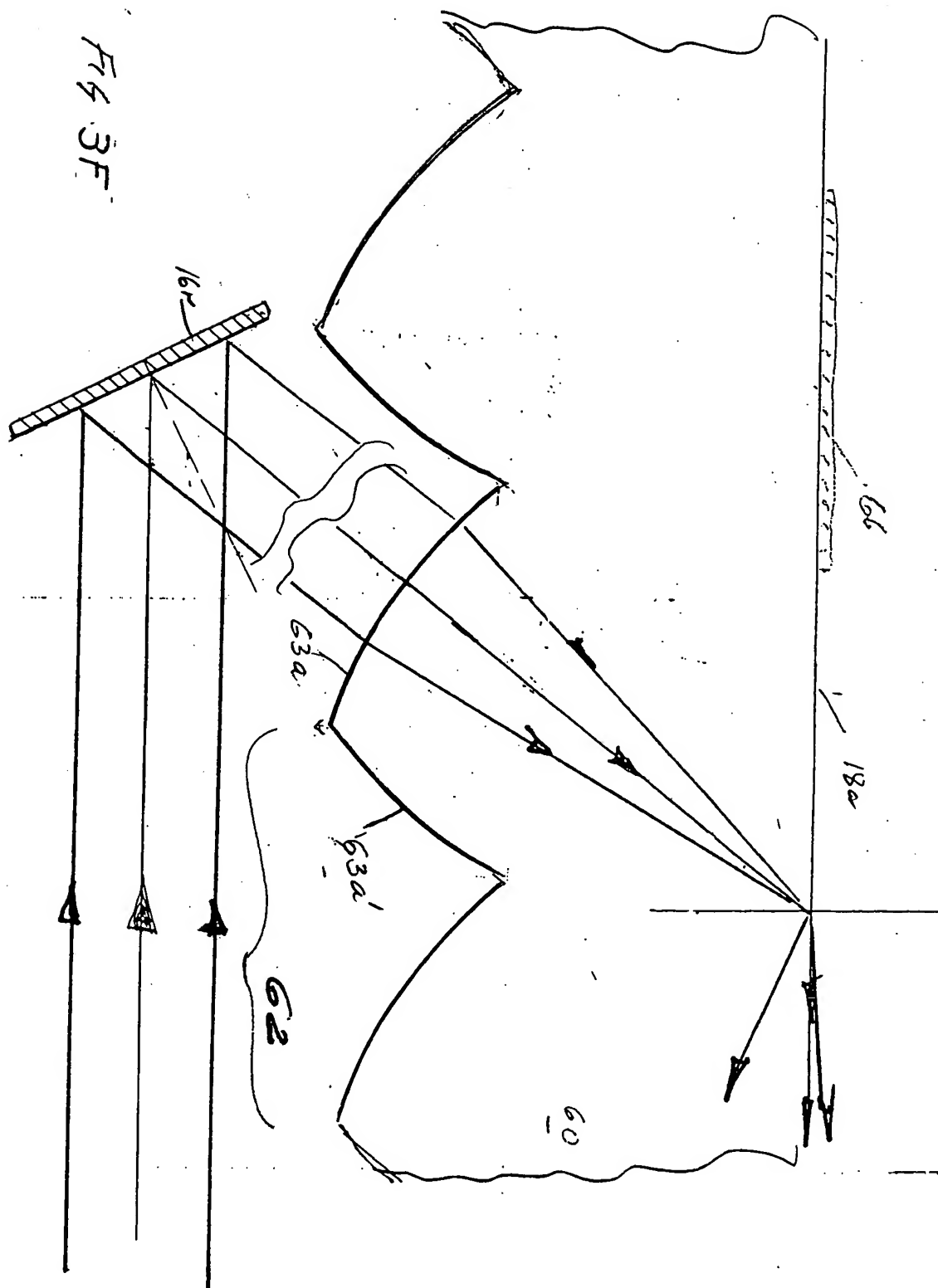
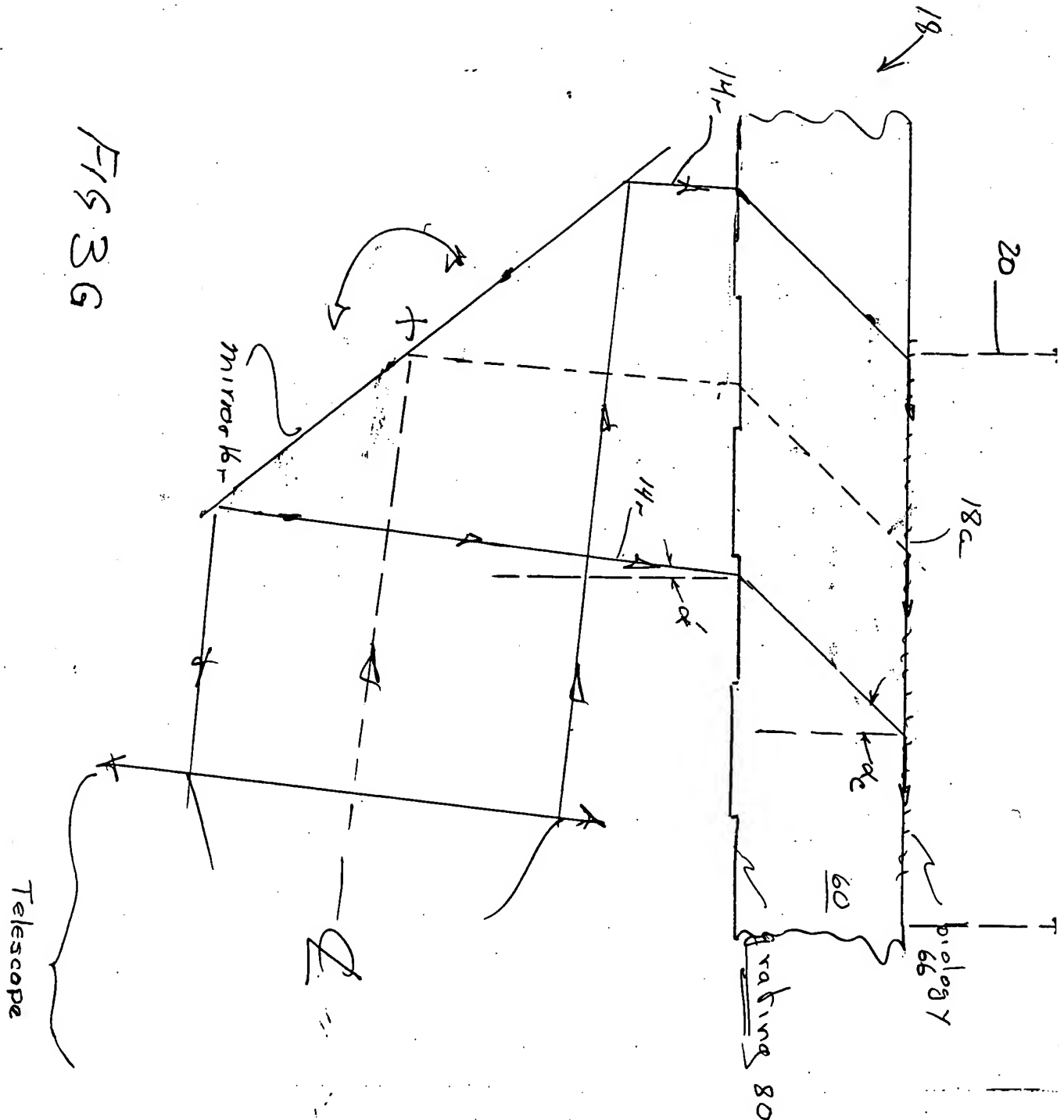
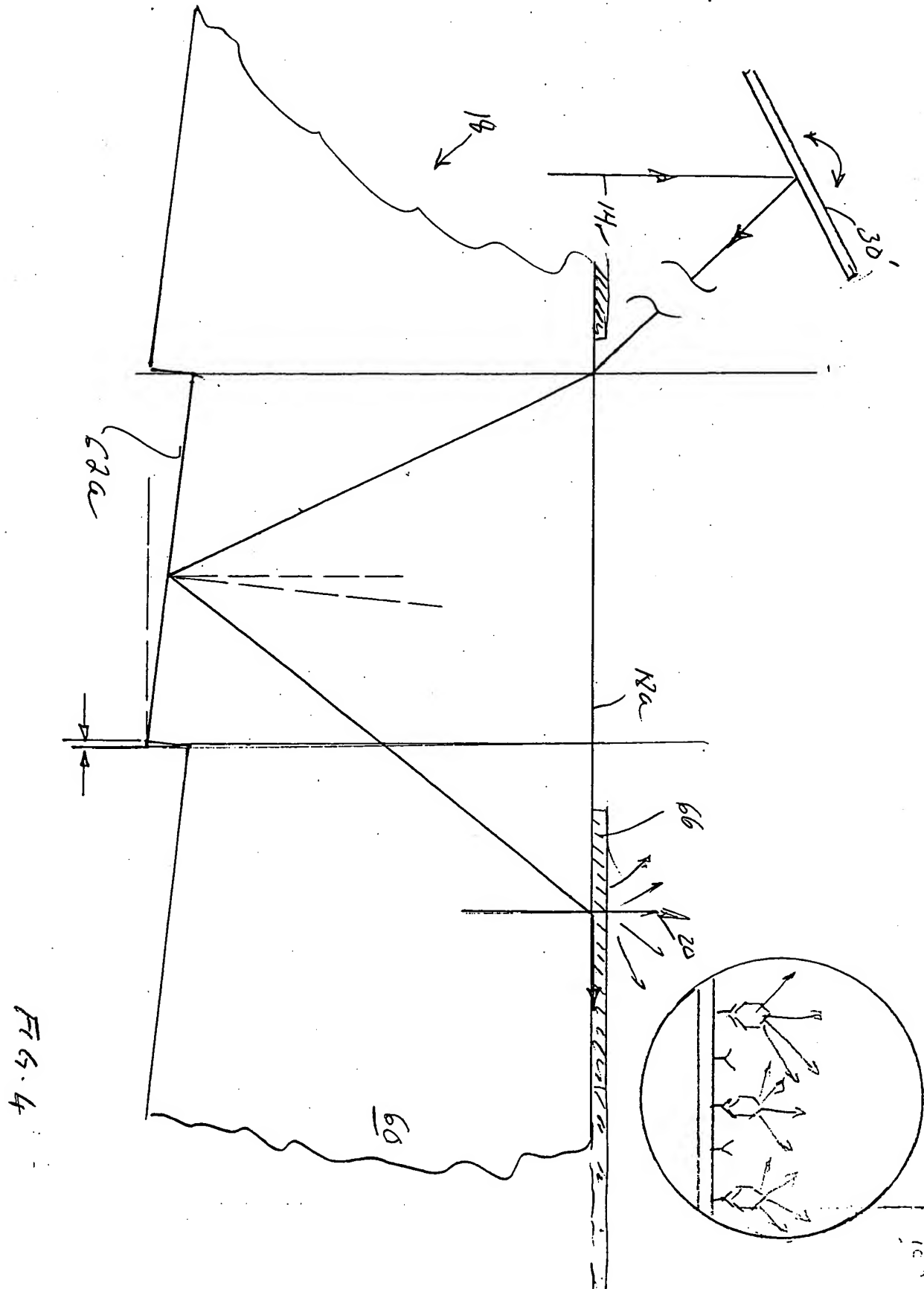


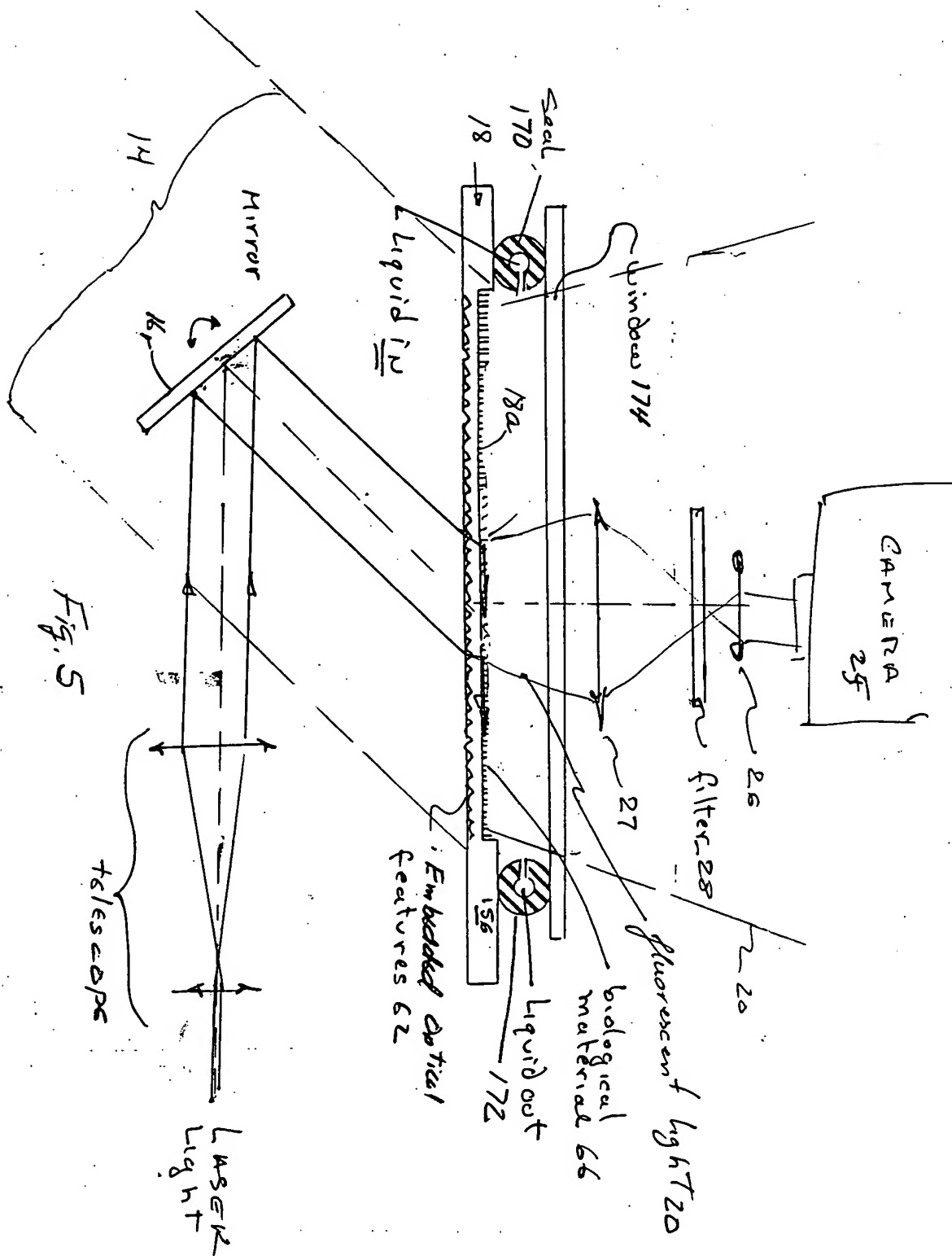
FIG. 3E



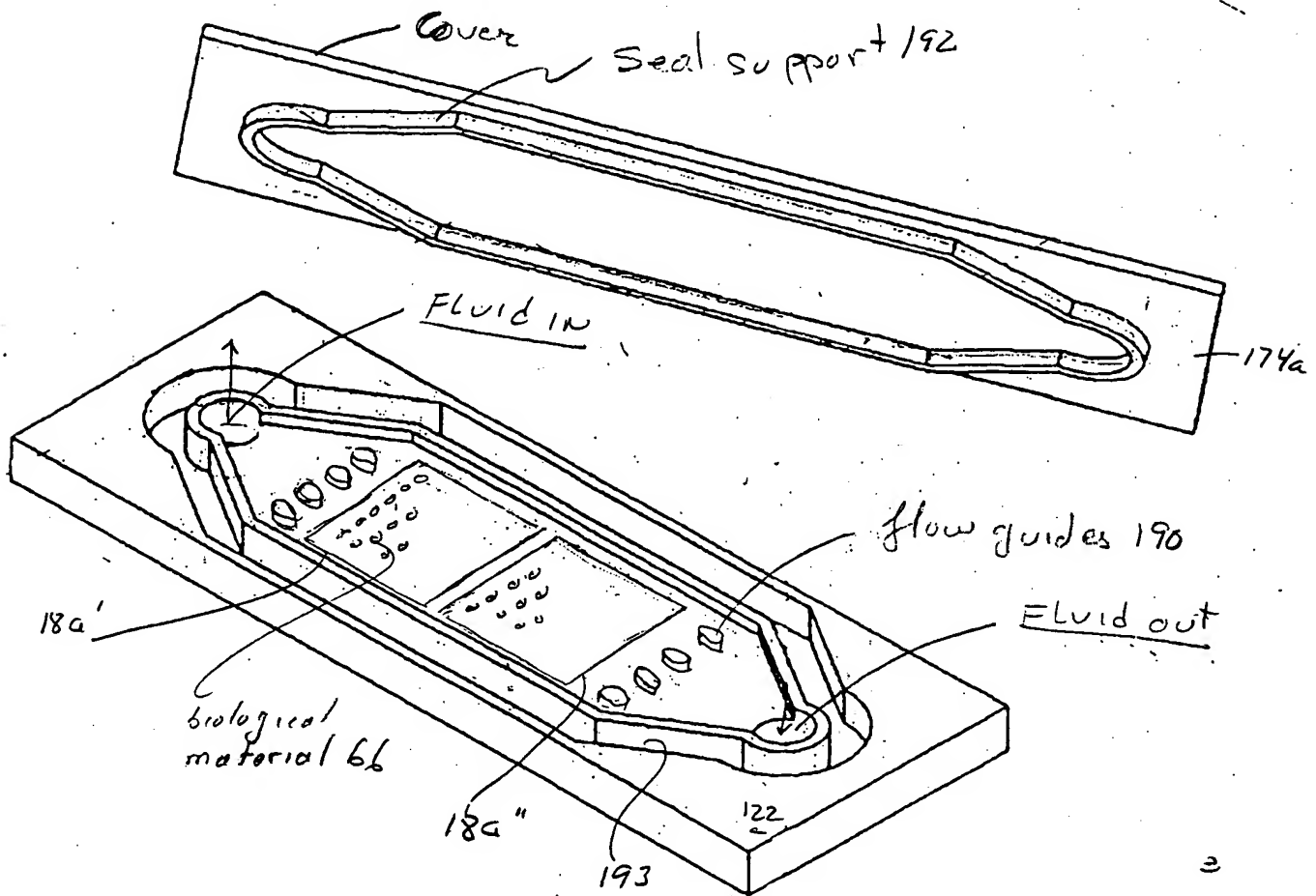












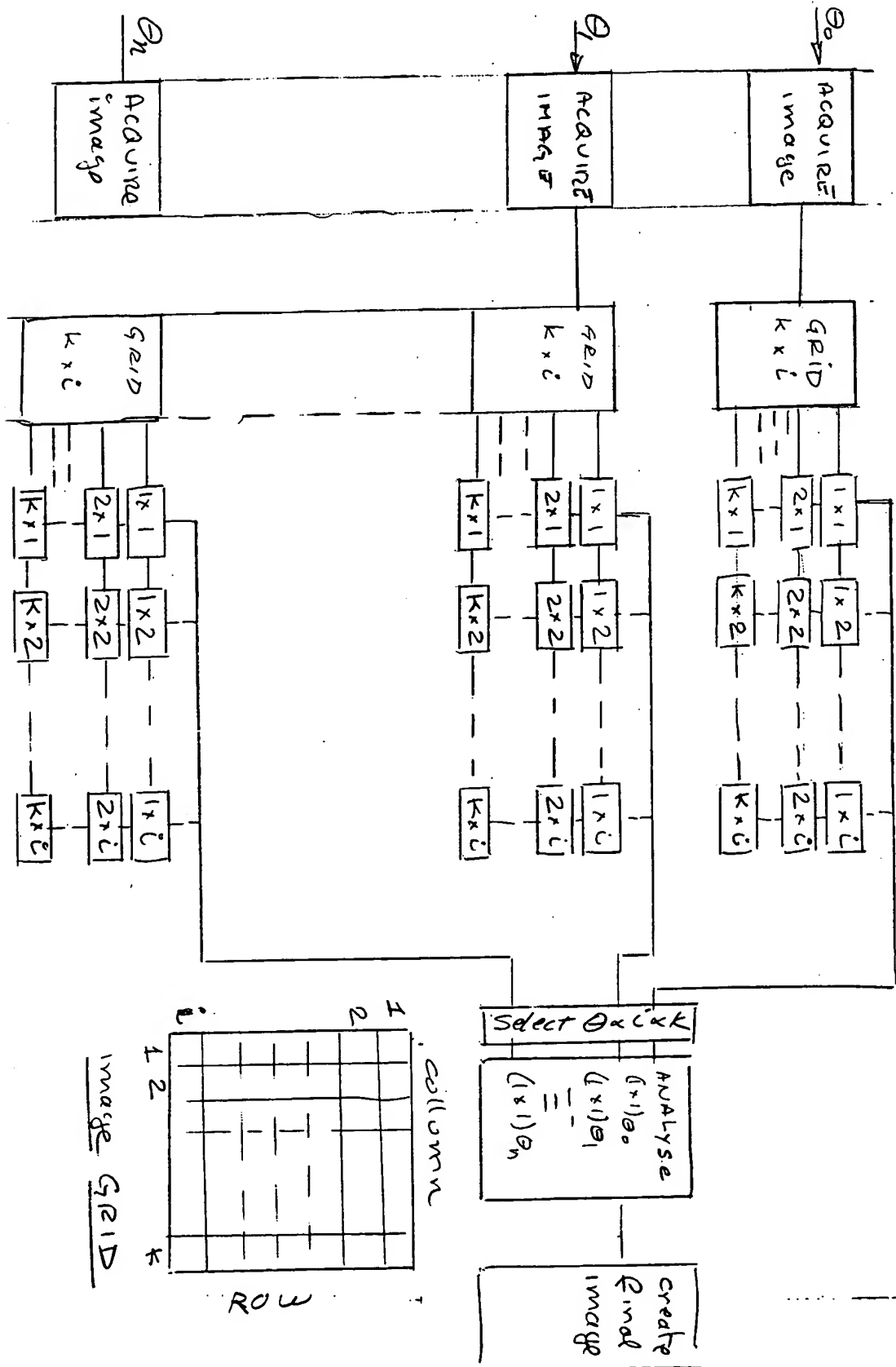


Fig 7

image analysis Flow Diagram

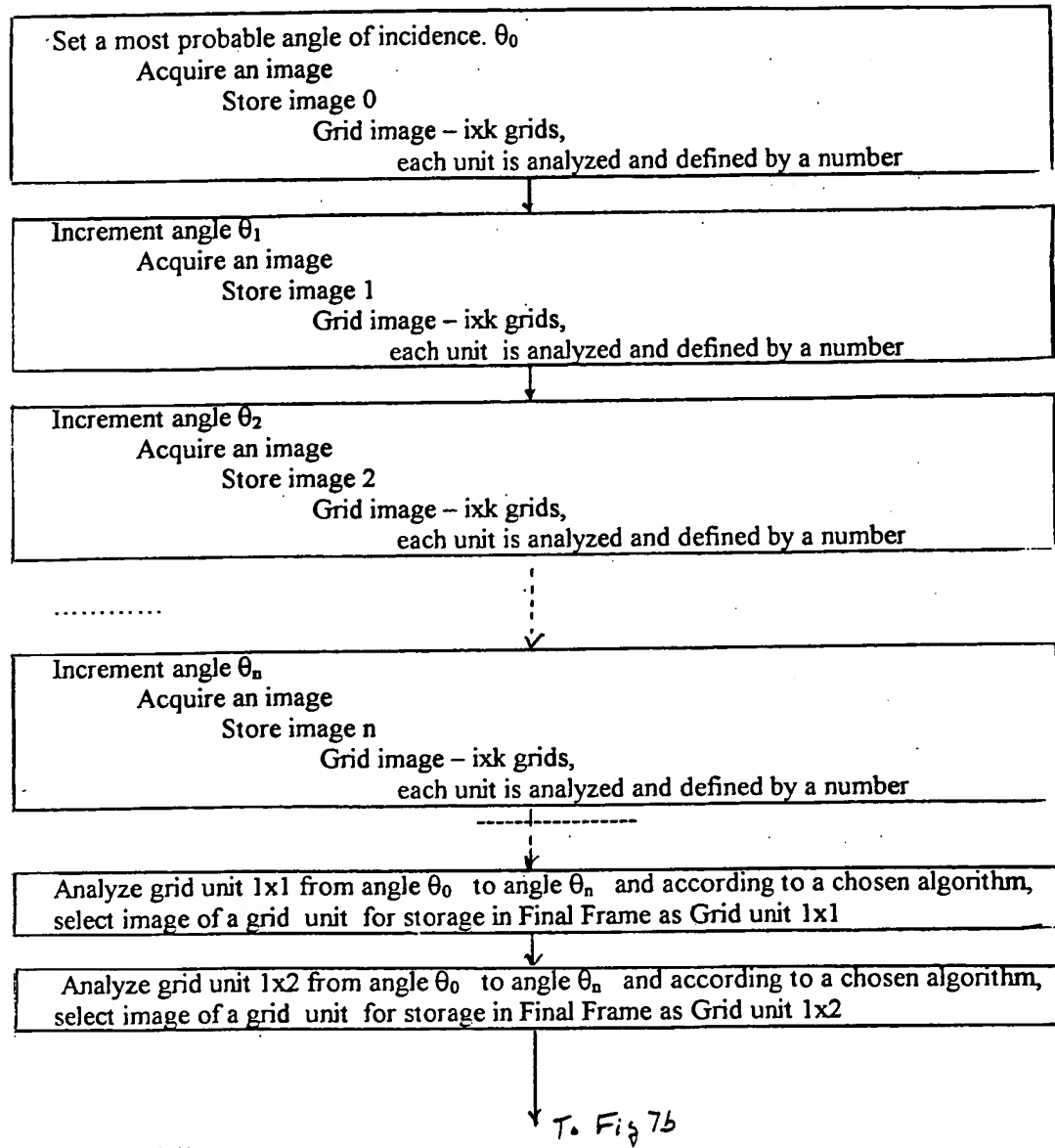


Fig 7a

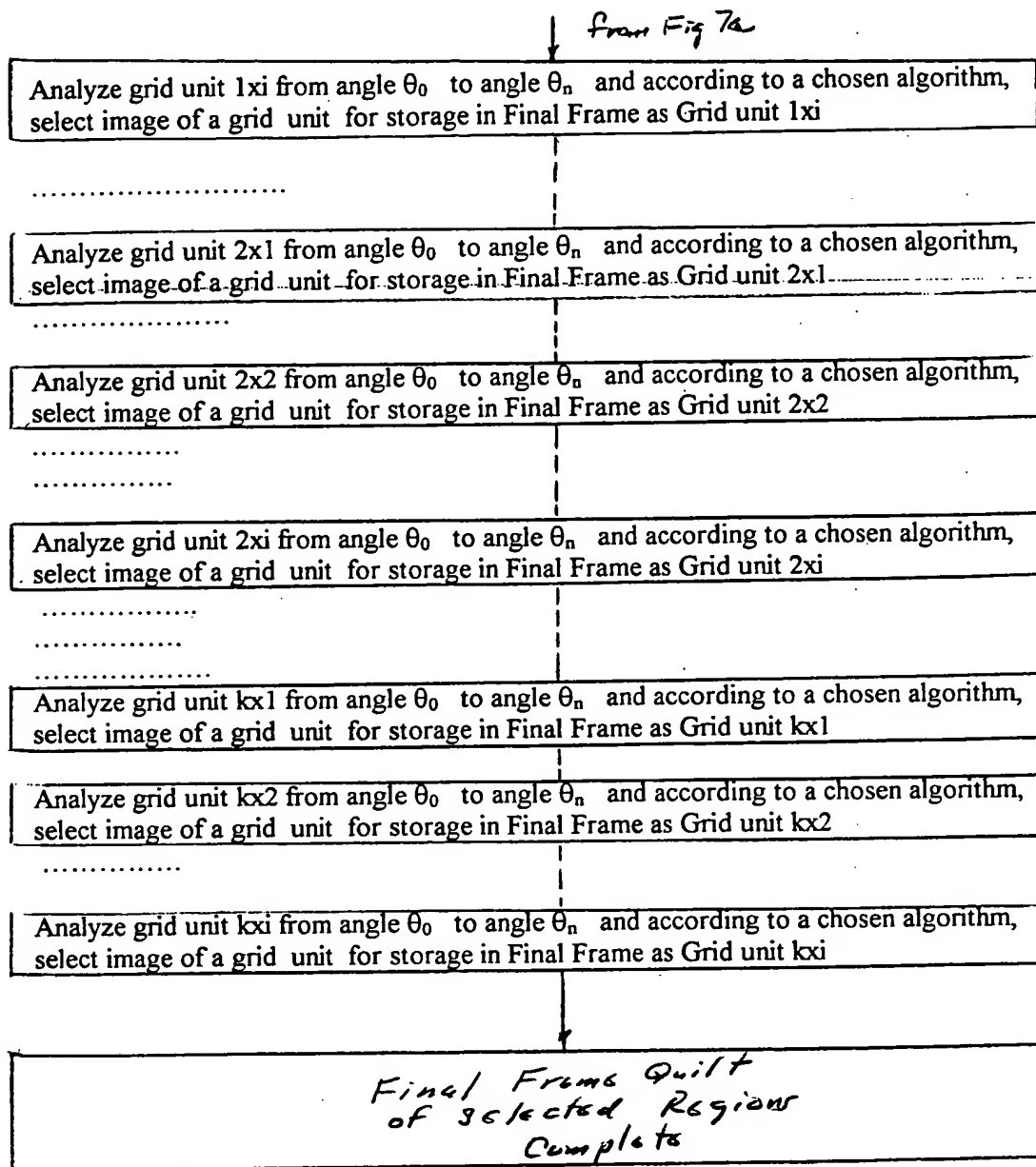
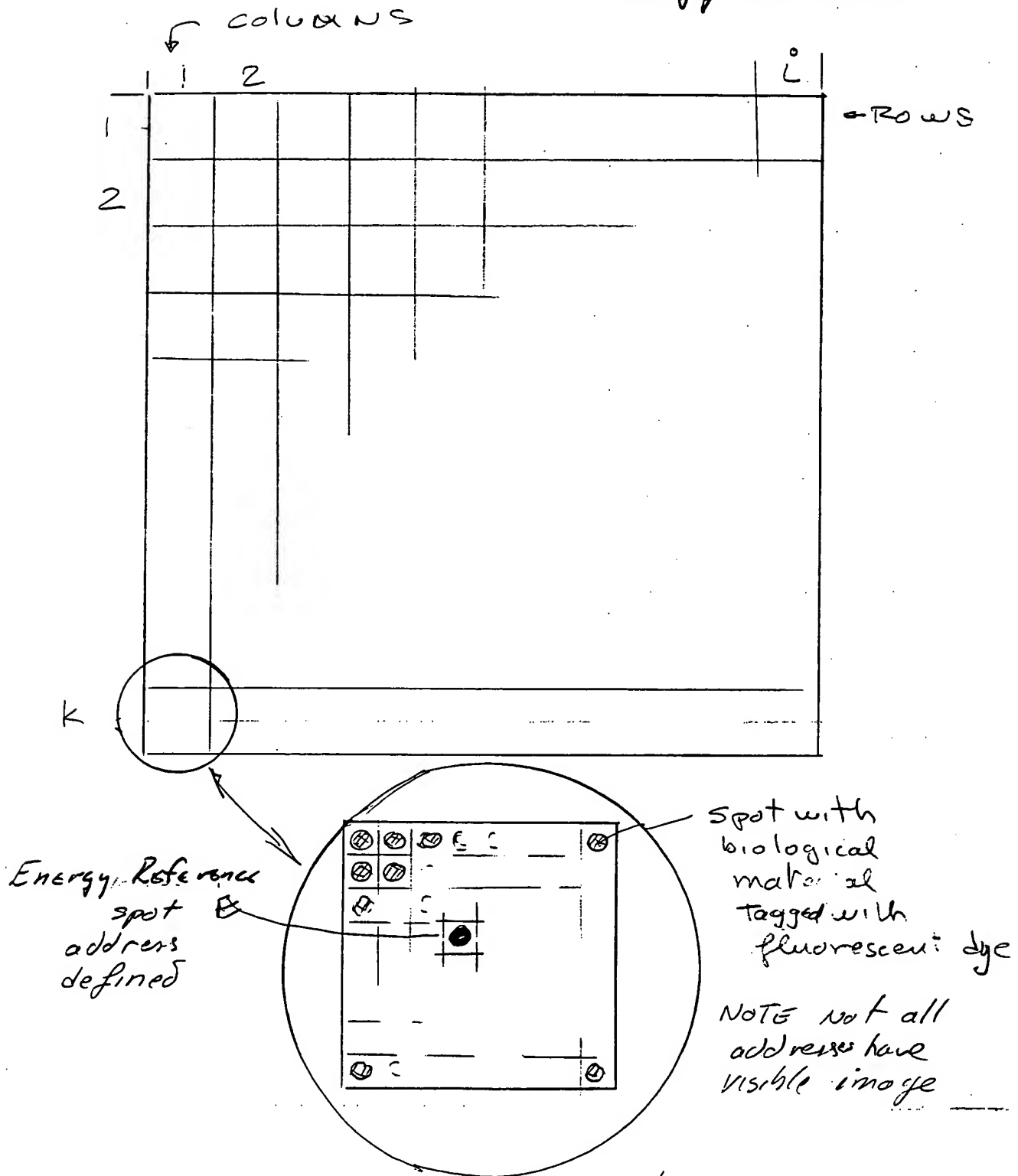


Fig. b

FIG 8 of spotted array
 with GRID & SUB GRID
 & Energy Reference



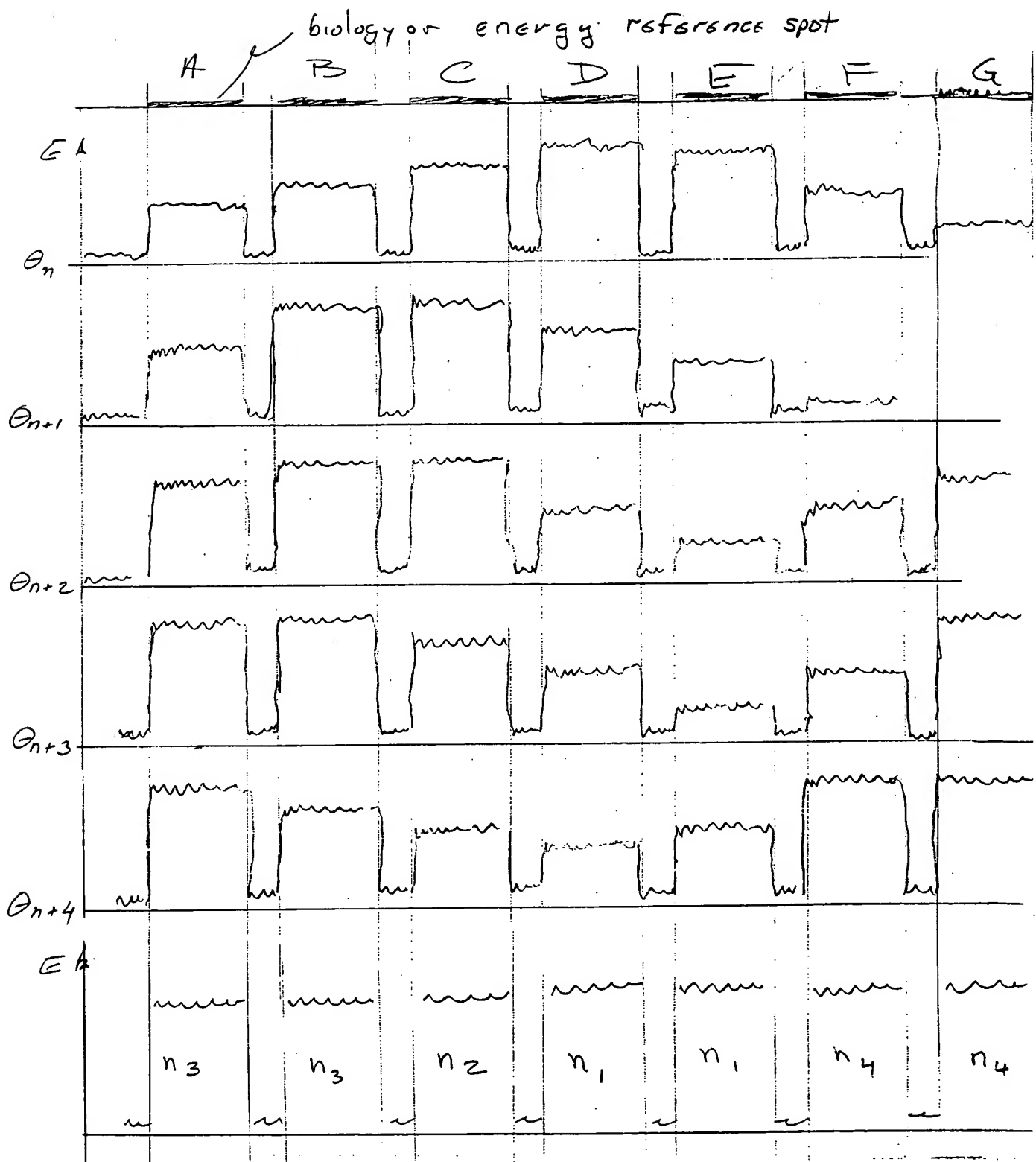
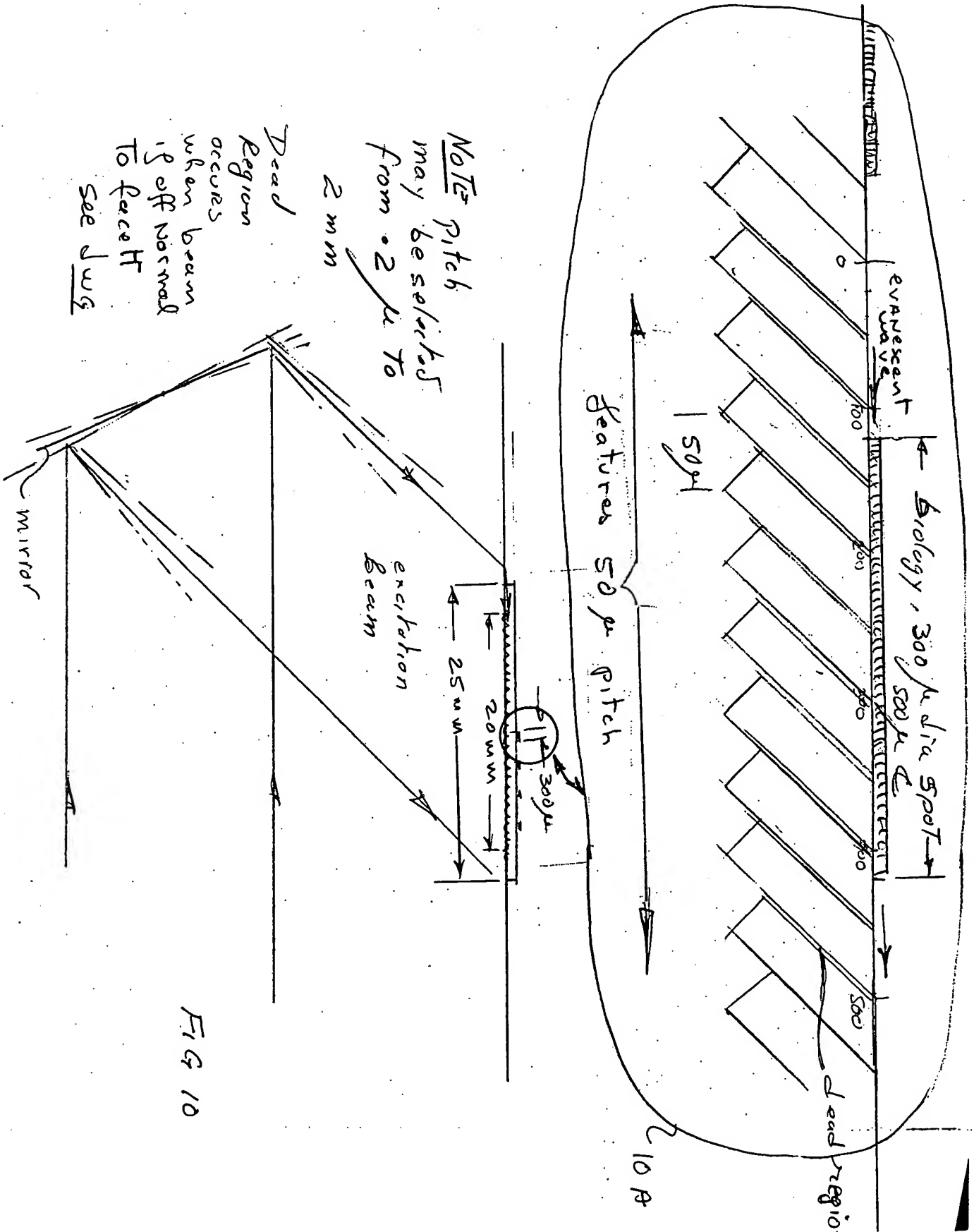
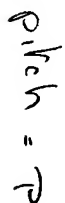


FIG 9 Selection of Region of Max signal
 as angle θ_n changes to θ_{n+4}



yield $3\frac{1}{2}$ % obscuration

variation 5 to 10% observation is ok



F-15 10 B